SEQUENCE LISTING

<110> Kirkness et al.

<120> Human Haemopoietic Maturation Factor

<130> PF105P1D2

<150> US 09/333,033
<151> 1999-06-15

<150> US 08/442,497
<151> 1995-05-16

<150> US 08/187,186
<151> 1994-01-25

<160> 9

<170> PatentIn version 3.1

<210> 1
<211> 600
<212> DNA
<213> Homo sapiens

<220>
<221> CDS
<222> (46)..(474)
<223>

<400> 1

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agacagcgga actaagaaaa gaagaggcct gtggacagaa caatc atg tct gac tcc      57
                                                    Met Ser Asp Ser
                                                    1

ctg gtg gtg tgc gag gta gac cca gag cta aca gaa aag ctg agg aaa      105
Leu Val Val Cys Glu Val Asp Pro Glu Leu Thr Glu Lys Leu Arg Lys
5                   10                  15                  20

ttc cgc ttc cga aaa gag aca gac aat gca gcc atc ata atg aag gtg      153
Phe Arg Phe Arg Lys Glu Thr Asp Asn Ala Ala Ile Ile Met Lys Val
                25                  30                  35

gac aaa gac cgg cag atg gtg gtg ctg gag gaa gaa ttt cag aac att      201
Asp Lys Asp Arg Gln Met Val Val Leu Glu Glu Glu Phe Gln Asn Ile
            40                  45                  50

tcc cca gag gag ctc aaa atg gag ttg ccg gag aga cag ccc agg ttc      249
Ser Pro Glu Glu Leu Lys Met Glu Leu Pro Glu Arg Gln Pro Arg Phe
        55                  60                  65

gtg gtt tac agc tac aag tac gtg cat gac gat ggc cga gtg tcc tac      297
Val Val Tyr Ser Tyr Lys Tyr Val His Asp Asp Gly Arg Val Ser Tyr
    70                  75                  80

cct ttg tgt ttc atc ttc tcc agc cct gtg ggc tgc aag ccg gaa caa      345
Pro Leu Cys Phe Ile Phe Ser Ser Pro Val Gly Cys Lys Pro Glu Gln
85                  90                  95                  100
```

```
cag atg atg tat gca ggg agt aaa aac agg ctg gtg cag aca gca gag      393
Gln Met Met Tyr Ala Gly Ser Lys Asn Arg Leu Val Gln Thr Ala Glu
                105                 110                 115

ctc aca aag gtg ttc gaa atc cgc acc act gat gac ctc act gag gcc      441
Leu Thr Lys Val Phe Glu Ile Arg Thr Thr Asp Asp Leu Thr Glu Ala
            120                 125                 130

tgg ctc caa gaa aag ttg tct ttc ttt cgt tga tctctgggct ggggactgaa    494
Trp Leu Gln Glu Lys Leu Ser Phe Phe Arg
        135                 140

ttcctgatgt ctgagtcctc aaggtgactg gggacttgga acccctagga cctgaacaac    554

caagacttta ataaaatttt taaatgcaaa aaaaaaaaaa aaaaaa                   600
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<210> 2
<211> 142
<212> PRT
<213> Homo sapiens

<400> 2

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Met Ser Asp Ser Leu Val Val Cys Glu Val Asp Pro Glu Leu Thr Glu
1               5                   10                  15

Lys Leu Arg Lys Phe Arg Phe Arg Lys Glu Thr Asp Asn Ala Ala Ile
            20                  25                  30

Ile Met Lys Val Asp Lys Asp Arg Gln Met Val Val Leu Glu Glu Glu
        35                  40                  45

Phe Gln Asn Ile Ser Pro Glu Glu Leu Lys Met Glu Leu Pro Glu Arg
    50                  55                  60

Gln Pro Arg Phe Val Val Tyr Ser Tyr Lys Tyr Val His Asp Asp Gly
65                  70                  75                  80

Arg Val Ser Tyr Pro Leu Cys Phe Ile Phe Ser Ser Pro Val Gly Cys
                85                  90                  95

Lys Pro Glu Gln Gln Met Met Tyr Ala Gly Ser Lys Asn Arg Leu Val
            100                 105                 110

Gln Thr Ala Glu Leu Thr Lys Val Phe Glu Ile Arg Thr Thr Asp Asp
        115                 120                 125

Leu Thr Glu Ala Trp Leu Gln Glu Lys Leu Ser Phe Phe Arg
    130                 135                 140
```

<210> 3
<211> 93
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains a BspHI restriction enzyme site and the ompA leader sequence.

<400> 3
gacttcatga aaaagacaga tatcgcaatt gcagtggcac tggctggttt cgctaccgtt 60

gcgcaagctg cttctgactc cctggtggtg tgc 93

<210> 4
<211> 31
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains complementary sequences to a BglII site.

<400> 4
gactagatct acgaaagaaa gacaactttt c 31

<210> 5
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains a HindIII site.

<400> 5
gactaagctt agccatgtct gactccctgg tggtg 35

<210> 6
<211> 64
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains complementary sequences to an XbaI site, translation stop codon, and an HA tag.

<400> 6
gacttctaga tcaagcgtag tctgggacgt cgtatgggta acgaaagaaa gacaactttt 60

cttg 64

<210> 7
<211> 35
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains a BamHI restriction enzyme site followed by 6 nucleotide
s resembling an efficient signal for the initiation of translatio
n in eukaryotic cells (Kozak, M., J. Mol. Biol., 196:947-950 (198
7).

<400> 7
cgcgggatcc gccatcatgt ctgactccct ggtgg 35

<210> 8
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Contains the cleavage site for the restriction endonuclease Asp71
8.

<400> 8
gcgcggtacc agtccccagc ccagagatca 30

<210> 9
<211> 141
<212> PRT
<213> Homo sapiens

<400> 9

Met Ser Glu Ser Leu Val Val Cys Asp Val Ala Glu Asp Leu Val Glu
1 5 10 15

Lys Leu Arg Lys Phe Arg Phe Arg Lys Glu Thr Asn Asn Ala Ala Ile
20 25 30

Ile Met Lys Ile Asp Lys Asp Lys Arg Leu Val Val Leu Asp Glu Glu
35 40 45

Leu Glu Gly Ile Ser Pro Asp Glu Leu Lys Asp Glu Leu Pro Glu Arg
50 55 60

Gln Pro Arg Phe Ile Val Tyr Ser Tyr Lys Tyr Gln His Asp Asp Gly
65 70 75 80

Arg Val Ser Tyr Pro Leu Cys Phe Ile Phe Ser Ser Pro Val Gly Cys
85 90 95

```
Lys Pro Glu Gln Gln Met Met Tyr Ala Glu Ser Lys Asn Lys Leu Val
            100                 105                 110

Gln Thr Ala Glu Leu Thr Lys Val Phe Glu Ile Arg Asn Thr Glu Asp
        115                 120                 125

Leu Thr Glu Glu Trp Leu Arg Glu Lys Leu Gly Phe Phe
    130                 135                 140
```